


Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 18040
Application ID: 10065128
Title of Invention: REFRESHING OF MULTI-PORT
MEMORY IN INTEGRATED
CIRCUITS
First Named Inventor: Raj Kumar Jain
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-09-19
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 2000P19174US
Digital Certificate Holder: cn=Dexter Kam Chin, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: XrPNoSoulNiAim8bR4c0rw==
Total Fees Authorized: \$780.0
Payment Category: DA - Deposit Account
Deposit Account Number: 502388
Deposit Account Name: Dexter Chin



TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility
Patent FilingAttorney Docket
Number:

2000P19174US

**REFRESHING OF MULTI-PORT
MEMORY IN INTEGRATED CIRCUITS**

First Named Inventor: Mr. Raj Kumar Jain

SUBMITTED BY

| | |
|--------------------------------|-----------------------|
| Name: | Mr. Dexter Kam Chin |
| Registration Number: | 38842 |
| Electronic Signature Mark: DKC | Date Signed: 20020919 |

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

| | |
|------------------|--------------------|
| declaration | ODP1.tif |
| declaration | ODP2.tif |
| fee-transmittal | 00P19174USfee.xml |
| ibid-transmittal | 00P19174USapds.xml |

specification
patent-assignments

00P19174US.xml
00P19174USasgn.xml

Attached Image File(s):

ODP1.tif
ODP2.tif

Comments:

Attorney Docket No.: 00P 19174US

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled:

REFRESHING OF MULTI-PORT MEMORY IN INTEGRATED CIRCUITS

the specification of which is attached hereto, unless the following is entered:

| was filed on | as United States Application Number or PCT International Application Number | and was amended on (if applicable) |
|--------------|--------------------------------------------------------------------------------|------------------------------------|
| | | |

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

PRIOR FOREIGN APPLICATION(S)

I hereby claim foreign priority benefits under 35 USC §119(a-d) or §365(b), of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application(s) for patent or inventor's certificate, or PCT International application, having a filing date before that of the application on which priority is claimed:

| Application Number | Country | Filing Date (day/month/year) | Priority Not Claimed |
|--------------------|---------|------------------------------|----------------------|
| | | | |

PROVISIONAL APPLICATION(S)

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below:

| Application Number | Filing Date |
|--------------------|-------------|
| | |

PRIOR UNITED STATES APPLICATION(S)

I hereby claim the benefit under 35 USC §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

| Application Number | Filing Date | Status (patented, pending, abandoned) |
|--------------------|-------------|---------------------------------------|
| | | |

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

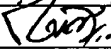
Dexter K. Chin (Reg. No. 38,842) of Siemens Intellectual Property Technology Consulting Pte Ltd, 166 Kallang Way, 6th Floor, Singapore 349249, Tel: (65) 6840 0996

Attorney Docket No.: 00P 19174US

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (Cont.)

| | |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Direct telephone calls to: Dexter Chin (65) 6840 0996 | Send correspondence to: Siemens Intellectual Property Technology Consulting Pte Ltd 166 Kallang Way 6 th Floor Singapore 349249 |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

I hereby declare that all statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issuing thereon.

| | | |
|------------------------------|-----------------------------------------------------------------------------------|--------------------|
| Full Name of First Inventor: | Raj Kumar JAIN | |
| Inventor's Signature: |  | Date: Aug 23, 2002 |
| Residence: | Mandarin Gardens, Singapore | |
| Citizenship: | Indian | |
| Mailing Address: | 5 Siglap Road, #12-52 Mandarin Gardens, Singapore 448908 | |

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 780

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 502388



Deposit Account Name: SIEMENS INTELL PROPERTY TECHNOLOGY
CONSULTING P/L

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Dexter Chin
Electronic Signature Mark: DKC
Date Signed: 20020919

BASIC FILING FEE

| Fee Description | Fee Code | Fee Paid |
|--------------------|----------|----------|
| Utility Filing Fee | 101 | \$ 740 |

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

| | Fee Code | Fee | Extra Claims | Fee Paid |
|------------------|----------|-------|--------------|----------|
| Total Claims: 17 | 103 | \$ 18 | 0 | \$ 0 |

| | | | | |
|-----------------------|-----|-------|---|------|
| Independent Claims: 2 | 102 | \$ 84 | 0 | \$ 0 |
|-----------------------|-----|-------|---|------|

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

| Fee Description | Number | Quantity | Fee Code | Amount | Fee Paid |
|---------------------------------------------------|----------|----------|----------|--------|----------|
| Recording Each Patent Assignment Per Property Fee | 00000000 | 1 | 581 | \$ 40 | \$ 40 |

Subtotal For Additional Fees: \$ 40